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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/936,158	02/28/2002	Yoshiaki Matsubara	SONYJP-137	9335

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LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK
600 SOUTH AVENUE WEST
WESTFIELD, NJ 07090

EXAMINER	
DHARIA, PRABODH M	

ART UNIT	PAPER NUMBER
2629	

DATE MAILED: 06/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/936,158	MATSUBARA ET AL.	
	Examiner	Art Unit	
	Prabodh M. Dharia	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *05 May 2006*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *10-19* is/are pending in the application.

4a) Of the above claim(s) *1-9 and 20-61* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *10-19* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *06 September 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

1. **Status:** Please all the replies and correspondence should be addressed to examiner's new art unit 2629. Receipt is acknowledged of papers submitted on 05-05-2006 under amendments, which have been placed of record in the file. Claims 10-19 are pending in this action. Claims 1-9 and 20-61 are cancelled.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 10-19 rejected under 35 U.S.C. 103(a) as being unpatentable over Daniels (6,373,500 B1) in view of Kanno (5,602,567).

Regarding Claims 10, Daniels teaches a picture display device (figure 1, Col. 2, Lines 27-29) for displaying a video signal supplied from a data process device (Col. 2, Lines27-46, Col. 4, Lines 16-48, Figures 1-3, Col. 3, Lines 55-61, Col. 5, Lines 12-33), comprising: input means for inputting a plurality video signals that are outputted by a plurality of data process devices (Col. 2, Lines 29,30); communication means for bi-directionally communicating with each of the plurality data process devices (Col. 2, Lines 27-46, Col. 4, Lines 16-48, Figures 1-3) to receive associated synchronous frequency information for each of the plurality of video signals (Col. 3, Lines 55-61); video process means for combining the inputted plurality of video signals into a combined video signal for display on one screen according (Col. 4, Lines 26-48, Col. 2, Lines

27-46) to associated picture size information for each of the plurality of video signals (Col. 4, Lines 28,29), display means for displaying the combined video signal that is outputted from said video signal process means (Col. 4, Lines 26-48); input device connection means for connecting to an input device and for receiving, from the input device, a first control signal based on a user input operation (Col. 5, Lines 12-16); transmission means f or generating second control signal or controlling the plurality of data process devices (Col. 5, Lines 16-22), the second control signal being based on the first control signal outputted from said input device connection means (Col. 5, Lines 12-22), and for causing said communication means to transmit the first control signal and the second control signal to the plurality of data process devices; and communication control means for controlling said communication means to communicate with each of the plurality of data process devices (Col. 2, Lines 27-46, Col. 3, Line 45 to Col. 4, Line 15, Col. 4, Lines 16-48, Figures 1-3, Col. 5, Lines 8-33).

However, Daniels fails to teach the picture size information associated with a given one of the plurality of video signals being based on the received synchronous frequency information associated with that video signal.

However, Kanno recites and discloses the picture size information associated with a given one of the plurality of video signals being based (figure 1, Col. 3, Line 65 to Col. 4, Line 16, Col. 4, Lines 19-32) on the received synchronous frequency information associated with that video signal (Col. 5, Lines 46-56, Col. 7, Lines 4-10).

Thus it would have been obvious to one of ordinary skill in the art to modify Daniels apparatus with Kanno to be able to have a display system that can communicate bidirectional video data between video controller and CPU to adjust the size of the display from the command

received from CPU (Col. 3, Line 65 to Col. 4, Line 8) and the picture size information associated with a given one of the plurality of video signals being based (figure 1, Col. 3, Line 65 to Col. 4, Line 16, Col. 4, Lines 19-32) on the received synchronous frequency information associated with that video signal (Col. 5, Lines 46-56, Col. 7, Lines 4-10).

Regarding Claim 11, Daniels teaches communications means supplies the first control signal to a selected data process device of the plurality of data process devices and notifies the other data process devices that the user input operation has not been performed (Col. 5, Lines 23-32).

Regarding Claim 12, Daniels teaches a screen of said display means is comprised of a plurality of display areas corresponding to the plurality of data process devices, the plurality of data process devices are controlled so that a control pointer that is displayable in the display areas of the data process devices is moved among specific ones of the display areas according to an operation of the input device, and a data process device corresponding to a display area in which the display (Col. 2, Lines 29-51, Col. 3, Line 45 to Col. 4, Line 15, Col. 4, Lines 31-58, Col. 5, Lines 8-23).

Regarding Claim 13, Daniels teaches the communications between said communication means and the plurality of data process devices are controlled on the screen of said display means using the l input device (Col. 2, Lines 29-51, Col. 3, Line 45 to Col. 4, Line 15, Col. 4, Lines 31-58, Col. 5, Lines 8-23).

Regarding Claim 14, Daniels teaches means for issuing an operation command intended for I the plurality of data process devices, the operation command being transmitted to the plurality of data process devices by said communication means (Col. 2, Lines 29-51, Col. 3, Line 45 to Col. 4, Line 15, Col. 4, Lines 31-58, Col. 5, Lines 8-23).

Regarding Claim 15, Daniels teaches operation means for outputting a third control signal corresponding to a further user control operation, wherein control of said video process means is based on the third control signal (Col. 5, Lines 8-60).

Regarding Claim 16, Daniels teaches means for issuing an operation command for the plurality of data process devices, the issuance of the operation command being controlled according to the third control signal (Col. 5, Lines 8-60).

Regarding Claim 17, Daniels teaches picture generation means for generating a picture portion that represents a display state of a picture displayed by said display means, control states of each of the plurality of data process devices, and a control state of the picture display device (Col. 5, Lines 8-60).

Regarding Claim 18, Daniels teaches picture generation means generates a picture portion that represents display states of pictures formed of the combined video signals displayed

by said display means and that represents communication states among the plurality of data process devices (Col. 5, Lines 8-65, Col. 4, Lines 31-64).

Regarding Claim 19, Daniels teaches a method of displaying a video signal supplied from a data process device, (Col. 2, Lines 29,30), said method comprising: input means for inputting a plurality video signals that are outputted by a plurality of data process devices (Col. 2, Lines 29,30); communication means for bi-directionally communicating with each of the plurality data process devices (Col. 2, Lines 27-46, Col. 4, Lines 16-48, Figures 1-3) to receive associated synchronous frequency information for each of the plurality of video signals (Col. 3, Lines 55-61); video process means for combining the inputted plurality of video signals into a combined video signal for display on one screen according (Col. 4, Lines 26-48, Col. 2, Lines 27-46) to associated picture size information for each of the plurality of video signals (Col. 4, Lines 28,29), display means for displaying the combined video signal that is outputted from said video signal process means (Col. 4, Lines 26-48); input device connection means for connecting to an input device and for receiving, from the input device, a first control signal based on a user input operation (Col. 5, lines 12-16); transmission means f or generating second control signal or controlling the plurality of data process devices (Col. 5, Lines 16-22), the second control signal being based on the first control signal outputted from said input device connection means (Col. 5, Lines 8-65, Col. 4, Lines 31-64) and for causing said communication means to transmit the first control signal and the second control signal to the plurality of data process devices; and communication control means for controlling said communication means to communicate bi-

directionally with each of the plurality of data process devices (Col. 2, Lines 27-46, Col. 3, Line 45 to Col. 4, Line 15, Col. 4, Lines 16-48, Figures 1-3, Col. 5, Lines 8-33).

However, Daniels fails to teach the picture size information associated with a given one of the plurality of video signals being based on the received synchronous frequency information associated with that video signal.

However, Kanno recites and discloses the picture size information associated with a given one of the plurality of video signals being based (figure 1, Col. 3, Line 65 to Col. 4, Line 16, Col. 4, Lines 19-32, determines total number of pixel to be processed per horizontal line and total number of horizontal lines to be processed per vertical frequency which will determine the size of the display and match it with the monitor information stored in the memory) on the received synchronous frequency information associated with that video signal (Col. 5, Lines 46-56, Col. 7, Lines 4-10).

Thus it would have been obvious to one of ordinary skill in the art to modify Daniels apparatus with Kanno to be able to have a display system that can communicate bidirectional video data between video controller and CPU to adjust the size of the display from the command received from CPU (Col. 3, Line 65 to Col. 4, Line 8) and the picture size information associated with a given one of the plurality of video signals being based (figure 1, Col. 3, Line 65 to Col. 4, Line 16, Col. 4, Lines 19-32, determines total number of pixel to be processed per horizontal line and total number of horizontal lines to be processed per vertical frequency which will determine the size of the display and match it with the monitor information stored in the memory) on the received synchronous frequency information associated with that video signal (Col. 5, Lines 46-56, Col. 7, Lines 4-10).

Response to Arguments

4. Applicant's arguments with respect to claims 10,19 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M. Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

7. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

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AU2673

June 4, 2006

BIPIN SHALWALA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600